

WHAT IS CLAIMED IS:

1. A device for measuring strategy acquisition comprising
a measuring portion that measures a blood amount or/and a
blood component amount in a predetermined measuring region
5 of brains of a subject,
a time change data producing portion that obtains the blood
amount or/and the blood component amount measured by the
above-mentioned measuring portion chronologically and that
produces time change data as data showing time change of the
10 blood amount or/and the blood component amount, and
an output portion that outputs the time change data produced
by the time change data producing portion in case the
subject conducts a predetermined work so that timing when
the subject acquires strategy to solve the work can be
15 detectable.
2. The device for measuring strategy acquisition described
in claim 1 wherein the output portion outputs a waveform of
the time change data during conducting the above-mentioned
20 predetermined work.
3. The device for measuring strategy acquisition described
in claim 1 wherein the measuring portion measures at least
an amount of oxyHb and an amount of deoxyHb in blood.
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4. The device for measuring strategy acquisition described
in claim 1 wherein the output portion further outputs timing
when the subject completes the work in a manner comparable

with the time change data.

5. The device for measuring strategy acquisition described
in claim 1 wherein the predetermined measuring region is an
5 area corresponding to a higher brain function portion.

6. The device for measuring strategy acquisition described
in claim 1 wherein the predetermined measuring region is set
at a frontal lobe.

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7. The device for measuring strategy acquisition described
in claim 1 wherein the measuring portion measures the blood
amount or/and the blood component amount by making use of a
near-infrared spectroscopy.

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8. The device for measuring strategy acquisition described
in claim 7 wherein the measuring portion is a type of one
channel.

20 9. The device for measuring strategy acquisition described
in claim 1 and further comprising a fixing means to fix a
head portion of the subject.

10. The device for measuring strategy acquisition described
25 in claim 1 wherein the measuring portion can calculate a
blood amount or/and a blood component amount that is
baseline-corrected corresponding to the work conducted by
the subject and

the time change data producing portion is made to obtain the baseline-corrected blood amount or/and the baseline-corrected blood component amount chronologically and to produce the time change data.

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11. The device for measuring strategy acquisition described in claim 10 wherein the measuring portion calculates a measured value of the blood amount or/and the blood component amount based on a predetermined parameter data
10 that is correlative to the blood amount or/and the blood component amount,
and further comprising a parameter data correct portion that baseline-corrects the above-described parameter corresponding to the work and a computing portion that
15 calculates the blood amount or/and the blood component amount by the use of the parameter data corrected by the parameter data correct portion.

12. The device for measuring strategy acquisition described
20 in claim 11 wherein the parameter data correct portion is to correct the parameter data with a difference value between the parameter data obtained while the subject conducts the work and baseline data expressing a baseline and
the baseline data is expressed by a function that varies
25 corresponding to a content of the work.

13. A method for measuring strategy acquisition, in case a subject conducts a predetermined work, wherein a blood

amount or/and a blood component amount in a predetermined measuring region of brains of the subject is measured chronologically by the use of a near-infrared spectroscopy, time change data as data showing time change of the blood

5 amount or/and the blood component amount is produced and a state of strategy acquisition to solve the work for the subject is determined based on the time change data.